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Attorney Docket No. 8194-723

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Huseyin Arslan et al.

Confirmation No.: 4858

Application No.: 10/716,085

Group Art Unit: 2631

Filed: November 18, 2003

Examiner: Mohammed H. Ghayour

For: *Methods and Apparatus for Pre-Filtering a Signal to Increase Signal-to-Noise Ratio and Decorrelate Noise*

Date: July 6, 2005

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. § 1.97(b)**

Sir:

Attached is a list of documents on Form PTO-1449, together with a copy of any listed foreign patent document and/or non-patent literature. A copy of any listed U.S. patent and/or U.S. patent application publication is not provided herewith in accordance with the amendment by the U.S. Patent and Trademark Office to 37 C.F.R. § 1.98(a)(2)(ii) effective October 21, 2004.

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. § 1.97(b), within three months of the filing date of the above-referenced application or before the mailing of a first Office Action on the merits, whichever event occurs last. Therefore, no fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. § 1.56 and Section 609 of the MPEP.

Respectfully submitted,

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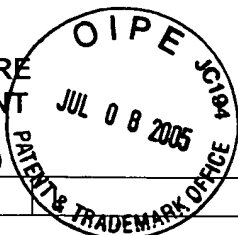
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Sheela L. Donnelly

Substitute form 1449A/PTO		<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	10/716,085	
		Filing Date	November 18, 2003	
		First Named Inventor	Huseyin Arslan	
		Group Art Unit	2631	
		Examiner Name	Mohammed H. Ghayour	
Sheet	1	of	Attorney Docket Number	8194-723



U.S. PATENTS AND PATENT PUBLICATIONS					
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation
		Office	Number	Kind Code (if known)			

OTHER NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
	1.	Al-Dhahir et al. "The Finite-Length Multi-Output MMSE-DFE" <i>IEEE Transactions on Signal Processing</i> 48(10): 2921-2936 (2000)	
	2.	Al-Dhahir et al. "Finite-Length MIMO Decision Feedback Equalization for Space-Time Block-Coded Signals Over Multipath-Fading Channels" <i>IEEE Transactions on Vehicular Technology</i> 50(4): 1176-1182 (2001)	
	3.	Al-Dhahir "FIR Channel-Shortening Equalizers for MIMO ISI Channels" <i>IEEE Transactions on Communications</i> 49(2): 213-218 (2001)	
	4.	Al-Dhahir "Finite-Length Channel-Shortening Space-Time Equalizers for MIMO Linear Frequency-Selective Channels" <i>IEEE Signals, Systems and Computers</i> 1: 705-709 (2000)	
	5.	Melsa et al. "Impulse Response Shortening for discrete Multitone Transceivers" <i>IEEE Transactions on Communications</i> 44(12): 1662-1672 (1996)	
	6.	Younis et al. "Joint Prefiltering and MLSE Equalization of Space-Time-Coded Transmissions Over Frequency-Selective Channels" <i>IEEE Transactions on Vehicular Technology</i> 51(1): 144-154 (2002)	
	7.	Fragouli et al. "Prefiltered Space-Time M-BCJR Equalizer for Frequency-Selective Channels" <i>IEEE Transactions on Communications</i> 50(5): 742-753 (2002)	
	8.	Duel-Hallen "Delayed Decision-Feedback Sequence Estimation" <i>IEEE Transactions on Communications</i> 37(5): 428-436 (1989)	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.